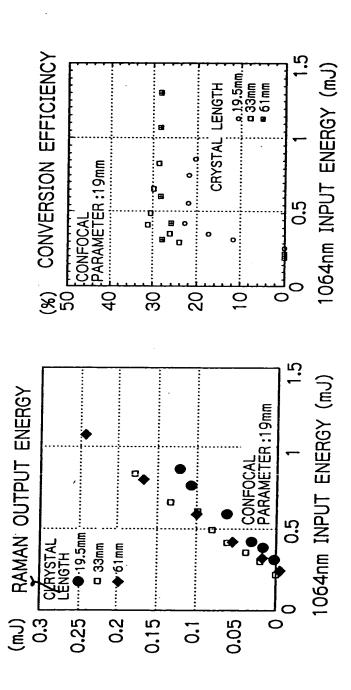


Fig. 7



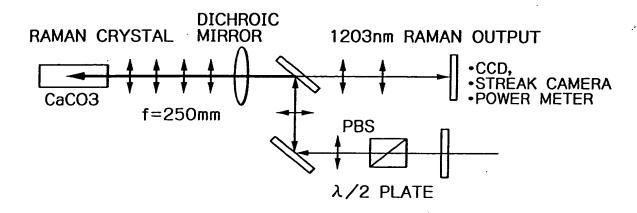
Serial No.: 09/903,732 Atty. Dkt. No.: 1458.00008
Inventor: Takashi Arisawa, et. al.

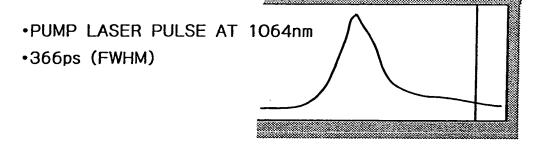
Title: SYSTEM FOR GENERATING HIGH-POWER SHORT-POWER LASER
LIGHT

Annotated Sheet Showing Changes

Fig. 9

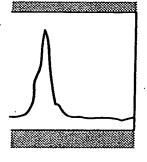
EXPERIMENTAL SYSTEM





•RAMAM OSCILLATOR AT 1203nm
•49ps (FWHM)

COMPRESSION: 7.5





Annotated Sheet Showing Changes

J-CLASS ENERGY H₂-CLASS REPETITION RATE

PULSE COMPRESSOR

PULSE COMPRESSOR

AMPLIFIER

HETERAMAN CRYSTAL OR SBS CELL

TITIED DIFFRACTION GRATING FIBER

MIND STATE LASER

TI : SAPPHIRE LASER

®®®NON LINEØR CRYSTAL

Fig. 10A

SEMICONDUCTOR LASER

PULSE STRECHER TI:SAPPHIRE LASER

MODE LOCKED LASER

REGENERATIVE AMPLIFIER

Yb FIBER LASER

Fig. 10B

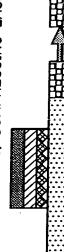
AMPLIFIER

PULSE EXTENDER

MODE LOCKED LASER

10C

RAMAN AMPLIFYING/COMPRESSING LASER



SHORT PULSE RAMAN LASER

SHORT-PULSE PUMP LASER

10-mJ CLASS ENERGY KHZ-CCLASS REPETITION /RATE

Prior Art